



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Robert Boesel, et al.

Title: SEARCHING METHOD AND

APPARATUS FOR
PROCESSING DIGITAL
COMMUNICATION SIGNALS

Appl. No.: 10/613,477

Filing Date: 7/2/2003

Examiner: Unknown

Art Unit: 2611

Confirmation 9531 Number:

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(Date of Deposit)

# INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.56

Mail Stop Amendment-IDS Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a prima facie art reference against the claims of the present application.

85/16/2897 MGEBREM1 88888912 18613477 81 FC:1886 188.68

### TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

## RELEVANCE OF EACH DOCUMENT

All of the documents are in English and were cited on a PTO-892 for corresponding U.S. Application 10/613825 filed July 2, 2003.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

#### FEE

A credit card payment form in the amount of \$180.00 is enclosed in accordance with 37 CFR \$1.17(p) to cover the fee associated with an information disclosure statement under 37 CFR \$1.97(c) in the amount of \$180.00.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by the credit card payment form being unsigned, providing incorrect information resulting in a rejected credit card transaction, or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

Respectfully submitted,

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By Sanjeev Dhand Registration No. 51,182 Approved for use through 03/31/2007. OMB 0651-0031
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	Substitute for	form 1449/PT	OIPE	С	omplete if Known	
	INFORMATIO	N DISCLOS	ÚRE 4	Application Number	10/613,477	-
	STATEMENT	BY APPLI¢	ANT S	Filing Date	7/2/2003	
		13	MAY 15 2007	First Named Inventor	Robert W. BOESEL	
		/3	<b>a</b>	Art Unit	2611	
	(use as many sh	eets as nece	Sagy)	Examiner Name	Unknown	
Sheet	1	of	1 MARMAN	Attorney Docket Number	029573-0501	

U.S. PATENT DOCUMENTS						
				Pages, Columns, Lines, Where Relevant		
Initials* No.1		Number-Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear	
LM	A1	US 6795489	09-21-2004	Joshi et al.		
LM	A2	US 6853839	02-08-2005	Usuda et al.		
LM	A3	US 6985516	01-10-2006	Easton et al.		
TW	A4	US 2002/0176489	11-28-2002	Sriram et al.		
LM	A5	US 2004/0165567	08-26-2004	Kim et al.		

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS					
Examiner Initials*	Cite No.1	U.S. Patent Application Document Serial Number-Kind Code <sup>2</sup> (if known)	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	.T <sup>6</sup>
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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>		

Examiner Signature	/Leila Malek/	Date Considered	05/31/2007

\*EXAMINER: Intial if inference considered, whether or not classion is in conformance with NEEP 600. Draw line through classion is not in conformance and considered.

Include copy of this flow milt have communication to applicant. 1 Applicant's value classion designation number (oplicant). 2 See Kinds Codes of USPT Of Exempt Documents at www.usplo.gov or NEEP 801.04.3 Enter Office that issued the document, by the two-letter code (NIPO Standard ST.3).4 For Japanese patent documents, the indication of the year of the religion of the Emperor must precede the serial number of the patent document. Study of document by the appoint as symbols as indicated on the document under WIPO Standard ST.18 if possible. 6 Applicant is to place a check mark here If English language Translation is attached.

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pocess) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including pathering, preparing, and submitting in the completed application form to the USPTO. Time will very depending upon the individual case. Any comments on the arrol of imp vu required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-14450, DNT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, DNT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, DNT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, DNT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, DNT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, DNT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, DNT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, DNT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, DNT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO THE SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO THE SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO THE SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO THE SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO THE SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO THE SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO THE SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO THE SEND FEES OR COMPLETED FORMS TO TH